

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph that begins on page 3, line 14 with the following amended paragraph:

The cyclic system described above concentrates the ~~contaminates~~ contaminants and corrosive agents in the condensate and while the lamp supplies heat that speeds up the corrosive action compared with the same material at lower concentration and temperatures. In the event that a light is covered in a layer of moisture from dew or rain, the normally insignificant contribution of capillary action is increased significantly by the suction of a cooling light.

Please replace the paragraph that begins on page 6, line 36 with the following amended paragraph:

Interposed in series with the optical cavity 35 and the air cavity 38 is the multi-stage filter 20. The air cavity 38 is in direct communication with the external atmosphere. The multi-stage filter 20 comprises microporous filter mediums 40 and 41 at the air entry side and optical cavity 35 side of the filter. Between the two microporous filters is a cavity 42 filled with ~~deactivated~~ activated carbon on the optical cavity side and a cavity 43 filled with silica gel on the air entry side of the filter. The wavy line on Figure 3 indicates the air path in and out of the optical cavity 35 via the multi-staged filter 20.

Please replace the paragraph that begins on page 7, line 33 with the following amended paragraph:

Although the preferred embodiment utilises a three stage filter that incorporates a microporous membrane usually fabricated from PTFE, an ~~absorption~~ adsorption material usually activated carbon and a dehydrating element silica gel, it is understood that a wide variety of filtration materials can be used for the purposes described above. Suitable filter media should have a collection efficiency over a wide range of particle sizes. There are many adequate filter media that have

adequate flow and resistant properties. Typical medias include microfiberglass media, high efficiency electret materials, and membrane materials such as, but not limited to, expanded polytetrafluoroethylene membrane, polypropylene membrane, nylon membrane, polycarbonate and polyester membranes, mixed-esters of cellulose membrane, polyvinyl chloride membrane, cellulose triacetate membrane, and thin film composite membranes and/or laminates thereof.

Please replace the paragraph that begins on page 8, line 14 with the following amended paragraph:

The most preferred filtering permeable membrane layer is expanded polytetrafluoroethylene (PTFE) because of its good filtration performance, conformability to cover absorbent layers, and cleanliness.

Please replace the paragraph that begins on page 8, line 19 with the following amended paragraph:

Examples of suitable ~~absorbent~~ adsorbent materials include: physisorbers (e.g. silica gel, activated carbon, activated alumina, molecular sieves, etc.); chemisorbers (e.g. potassium permanganate, potassium carbonate, potassium iodide, calcium carbonate, calcium sulfate, sodium carbonate, sodium hydroxide, calcium hydroxide, powdered metals or other reactants for scavenging gas phase contaminants); ion exchange materials; catalytic fillers; as well as mixtures of these materials.